

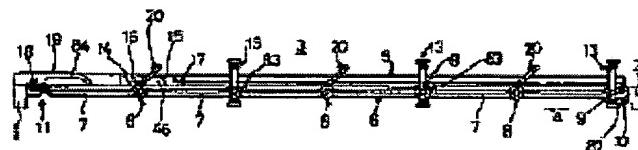
## **DOOR SECTION SUPPORT DEVICE FOR GROUND TRAVEL TYPE FOLDING DOOR**

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## Abstract of JP8177359

**PURPOSE:** To stably support the projected side of each door section projected from a guide rail toward one side thereof in a folded state, regardless of an effect due to door body moment, and ensure a smooth and light open and close operation. **CONSTITUTION:** A plurality of door sections 7 are jointed in zigzag around a vertical axial center via hinge means 8 in such a state as freely foldable, thereby forming a door body 6. In addition, the lower sections of every other hinge means 8 are respectively provided with a travel means 13 capable of travel along a guide rail 5 laid on the ground. In this case, each door section 7 is folded in zigzag, so as to project from the guide rail 5 to one side of the door body 6 in a crossing direction about the hinge means 8 having the travel means 13 as a support point, at the time of folding the door body 6. Also, auxiliary wheels 20 rolling on the ground at one side of the guide rail 5 are arranged in the vicinity of the hinge means 8 without the travel means 13, so as to be capable of free turn about the vertical axial center.



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